Page: 1 MATERIAL SAFETY DATA SHEET Printed: 03/18/03 For Coatings, Resins and Related Materials Revised: 12/06/01 SECTION I - PRODUCT INDENTIFICATION ______ Manufacturer: DEFT, INC. (CAGE CODE 33461) Information Phone: (949) 474-0400
17451 VON KARMAN AVENUE Emergency Phone: (800) 424-9300
CHEMTREC Phone: 800-424-9300 TRVTNE. 92614 Hazard Ratings: Health - 2 Product Class: MIXED OILS | none -> extreme Trade Name : DEFTOIL MARINE TEAKWOOD FINISH: 0 ---> 4 Reactivity - 0 Product Code: 182 C.A.S. Number: C.A.S. Number: SECTION II - HAZARDOUS INGREDIENTS ----- Exposure Limits -----Weight ACGIH OSHA VP
Ingredients CAS # % TLV STEL PEL STEL nm HG Ingredients MINERAL SPIRITS 64742-88-7 40. N.E. N.E. N.E. N.E. N.E. N.E. NIOSH recommends a limit of 350 mg/m3 - 8 ours TWA, and 1800 mg/m3 as determined by a 15 minute sample. THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST. N.E. = Not Established SECTION III - PHYSICAL DATA Boiling Range: 212-334 F. Vapor Density: Heavier than Air. Boiling Range: 212-334 F.

Evap. Rate: Faster than n-Butyl Acetate
Volatiles vol % 46.7 Wgt % 40.6 Wgt per gallon: 7.42 Pounds.

Spec. Gravity: 0.89076 Appearance: AMBER SOLUTION- MILD ODOR V.O.C.: BELOW 350 G/L ______ SECTION IV - FIRE AND EXPLOSION HAZARD DATA ______ Flammability Class: II Flash Point: 105 F. F TCC LEL: 1.0 UEL: 7.0 -EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG -SPECIAL FIREFIGHTING PROCEDURES:

Full fire fighting equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. Water may be used to cool closed containers to prevent pressure build-up, auto ignition or explosion.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

CAUTION: SPONTANEOUS COMBUSTION

This product will cause spontaneous combustion (starts burning without apparent causes) when rags, paper, spray filters, steelwool, sawdust, or other material soaked with this material is improperly disposed of. Place waste materials in a closed container filled with water and make sure that all material is completely submerged under water.

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION II, HAZARDOUS INGREDIENTS.

INHALATION: Irritation of the respiratory tract & acute nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma.

SKIN AND EYE CONTACT: SKIN: Contact with the skin can cause irritation. Symptoms may be swelling, redness, and rash.

EYES: Liquid, areosols, or vapors are irritating and may cause tearing, redness, and swelling accompanied by a stinging

SKIN ABSORPTION: Prolonged or repeated contact can cause moderate irritation, drying, and defatting of the skin which can cause the skin to crack.

INGESTION: Acute: Can result in irritation and possible corrosive action in the mouth, stomach tissue and digestive tract. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Vapors are irritating to eyes, nose, and throat. Inhalation may cause headaches, difficult breathing and loss of consciousness.
CHRONIC: Prolonged contact will cause drying and cracking of the

skin, due to defatting action. Skin sensitization, asthma or other allergic responses may develop.

CARCINOGENICITY:

NTP?: NO, IARC MONOGRAPHS?: NO, OSHA REGULATED?: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Asthma and any other respiratory disorders. Skin allergies, eczema, and dermititis.

N.E. 2 @ 68F

INHALATION: Move to an area free from risk of further exposure. Restore breathing. Asthmatic type symptoms may develop and may be immediate or delayed by several hours. Obtain medical

SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

EYES: Flush with clean lukewarm water (low pressure) for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.

TWO TO THE TAX TO THE

unconscious person. Obtain medical attention.	
SECTION VI - REACTIVITY DATA	
STABLITY: [] Unstable [x] Stable HAZARDOUS POLYMERIZATION: [] May occur [x] Will not occur -INCOMPATIBLITY STRONG OXIDIZING AGENTS.	-
-CONDITIONS TO AVOID: HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.	

-HAZARDOUS DECOMPOSITION PRODUCTS:

BY HIGH HEAT/TEMPERATURE: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

SECTION VII - SPILL OR LEAK PROCEDURES _______

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Evacuate all non-essential personnel. Remove all sources of ignition (flame, spark sources, hot surfaces). Ventilate area Contain and remove with inert absorbent and non-sparking tools.

-WASTE DISPOSAL METHOD:

Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Empty containers must be handled with care, due to product residue and flammable vapor DO NOT incinerate closed containers.

ALSO SEE SECTION IV. V. VI. FOR OTHER PRECAUTIONS.

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-RESPIRATORY PROTECTION:

A respirator that is recommended or approved for use in an organic vapor environment (air purifying or fresh air supplied) is necessary. Observe OSHA regulations for respirator use.
Ventilation should be provided to keep exposure levels below the OSHA permissible limits.

Exhaust ventilation sufficient to keep the airborne concentrations of solvent vapors or mists below their respective TLV's must be utilized. Remove all ignition sources (heat, sparks, flame, and hot surfaces).

-PROTECTIVE GLOVES:

Protective gloves are recommended (cotton, neoprene, rubber, polyethylene) to prevent skin contact.

-EYE PROTECTION:

The use of safety eyewear is recommended, including splash guards or side shields, chemical goggles or face shields. (continued on next page)

Page: 2 DEFT, INC. (CAGE CODE 33461) Material Safety Data Sheet for: DEFTOIL MARINE TEAKWOOD FINISH(182)
SECTION VIII - SPECIAL PROTECTION INFORMATION: (cont.)
-EYE PROTECTION:
-OTHER PROTECTIVE EQUIPMENT: The use of long sleeve and long leg clothing is recommended. Remove and wash contaminated clothing before reuse.
SECTION IX - SPECIAL PRECAUTIONS
-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in buildings designed to comply with OSHA 1910.106 Avoid storing near high temperatures, fire, open flames, and spark sources. Store in tightly closed containers. Store in well ventilated areas.
-OTHER PRECAUTIONS: Keep containers tight and upright to prevent leakage. Prevent prolonged breathing of vapors or spray mists. Prolonged overexposure may cause an allergic reaction. Aviod contact with skin and eyes. Do not take internally. Do not handle until the manufacturers safety precautions have been read and understood. Wash hands before eating, smoking, or using washroom. Smoke in smoking areas ONLY.

*** DISCLAIMER ***

Information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitibility and completeness of information from all sources to assure proper use of the materials and for the safety and health of their employees.

DOT #UN-1263 ACTUAL VOC DETERMINED PER EPA REFERENCE METHOD 24.

	SE	CTION X - REGULATORY INFORMAT	ION	
-sara	ARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:			
	CAS#		Percent by Weight 	
-PROP	65-CARCINOGENIC WARNING: This prod of California to co	uct contains a chemical known to ause cancer. Chemical Name	the state	
- PROP	65-TERATOGENIC	None		
-1101	WARNING: This prod	uct contains a chemical known to ause birth defects or other repr	the state oductive harm.	
	CAS#	Chemical Name		
-PROP	65-CARCINOGENIC & WARNING: This prod California to caus	TERATOGENIC uct may contain a chemical known e cancer and birth defects or ot	to the state of her reproductive harm	
	CAS#	Chemical Name		

Material Safety Data Sheet

For Coatings, Resins and Related Materials

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

24 Hour Emergency: 1-800-123-4567 CHEMTREC: 1-800-424-9300

National Response in Canada CANUTEC: 613-996-6666

Outside U.S. and Canada Chemtrec: 202-483-7616

Section 1 - Chemical Product / Company Information

Product Name: 27X37, CLEAR WOOD FINISH Revision Date: 06/22/2005
Identification Number: 010 Print Date: 08/16/05

Product Use/Class: LACQUER

Manufacturer: Deft, Inc. (CAGE CODE 33461) Information Phone: (949) 474-0400

17451 Von Karman Ave Emergency Phone: (800) 424-9300

Irvine, Ca. 92614

Section 2 - Hazards Identification

*** Emergency Overview ***: Harmful by inhalation, in contact with skin, and if swallowed. Flammable liquid. Contact with eyes or skin causes irritation. Amber liquid with solvent odor.

Effects Of Overexposure - Eye Contact: Direct eye contact may cause irritation. Liquid, aerosols, or vapors are irritating and may cause tearing, redness, and swelling accompanied by a stinging sensation. **Effects Of Overexposure - Skin Contact:** Prolonged and repeated skin contact may cause dermatitis, drying, and defatting due to the solvent properties. Direct skin contact may cause irritation. Product may be absorbed through the skin. Symptoms may include swelling, redness, and rash.

Effects Of Overexposure - Inhalation: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes) & acute nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Exposure may cause nausea and vomiting. Inhalation may cause headaches, difficult breathing, and loss of consciousness.

Effects Of Overexposure - Ingestion: Ingestion may cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhea. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis. May result in possible corrosive action in the mouth, stomach tissue and digestive tract. Effects Of Overexposure - Chronic Hazards: WARNING: This product contains a chemical known to the state of California to cause cancer. Contains components listed as a Carcinogen: NTP?: No, IARC Monographs?: Yes, OSHA Regulated?: No. Prolonged contact will cause drying and cracking of the skin, due to defatting action. Skin sensitization, asthma or other allergic responses may develop. Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Eye Contact

Section 3 - Composition / Information On Ingredients

Component	CAS Number	Weight % Reporting Ranges
ALIPHATIC HYDROCARBON	8052-41-3	10-30
ISOBUTYL ISOBUTYRATE	97-85-8	7-13
VM & P NAPHTHA	64742-89-8	7-13
METHYL n-AMYL KETONE	110-43-0	7-13
2-BUTOXYETHANOL	111-76-2	5-10
NITROCELLULOSE	9004-70-0	5-10
n-BUTYL ALCOHOL	71-36-3	3-7
XYLENE	1330-20-7	3-7
ISOPROPANOL ANHYDROUS	67-63-0	1-5
BUTYL CELLOSOLVE ACETATE	112-07-2	1-5
ETHYL BENZENE	100-41-4	0.1-1.0
ISOBUTYL ALCOHOL	78-83-1	0.1-1.0
ETHYL BENZENE	100-41-4	0.1-1.0

THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST. ALSO ANY UNLISTED INGREDIENTS.

Section 4 - First Aid Measures

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. Consult

a physician. Hold eyelids open to rinse out the entire eye.

First Aid - Skin Contact: In case of contact, immediately flush skin with plenty of water and wash affected areas thoroughly with soap and water. Remove contaminated clothing and shoes.

First Aid - Inhalation: In the case of inhalation of aerosol/mist consult a physician, if necessary. Move to fresh air in case of accidental inhalation of vapors. Asthmatic type symptoms may develop and maybe immediate or delayed by several hours.

First Aid - Ingestion: Do not induce vomiting. Do not give anything to an unconscious person. Obtain medical help.

Section 5 - Fire Fighting Measures

Flash Point (°F): 53 TCC LOWER EXPLOSIVE LIMIT (%): N.AV UPPER EXPLOSIVE LIMIT (%): N. Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: Fire or intense heat may cause violent rupture of packages. Remove all sources of ignition. Toxic gases may form when product burns. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Application to hot surfaces requires special precautions.

Special Firefighting Procedures: Flammable. Cool fire-exposed containers using water spray. Firefighters should wear full protective clothing. In the event of fire, wear self-contained breathing apparatus.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use personal protective equipment as necessary. Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate area. Contain and remove spilled material with inert absorbent and non-sparking tools.

Section 7 - Handling and Storage

Handling: Keep away from open flames and hot surfaces. Handle in accordance with good industrial hygiene and safety practice. Keep product and empty container away from heat and sources of ignition. Use only in ventilated areas. Open doors and windows.

Storage: Avoid storing near high temperatures, fire, open flames and spark sources. Under oxidizing conditions peroxides of unknown stability may form. Concentrated peroxides are an explosion hazard. Store in buildings designed to comply with OSHA 1910.106. Keep containers upright to prevent leakage and tightly closed in a dry, cool and well-ventilated place.

Section 8 - Exposure Controls / Personal Protection

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
ALIPHATIC HYDROCARBON	N.E.	N.E.	N.E.	N.E.
ISOBUTYL ISOBUTYRATE	N.E.	N.E.	N.E.	N.E.
VM & P NAPHTHA	300 ppm	N.E.	300 ppm	400 ppm
METHYL n-AMYL KETONE	50 ppm	N.E.	100 ppm	N.E.
2-BUTOXYETHANOL	25 ppm	N.E.	25 ppm	N.E.
NITROCELLULOSE	HAZARD - N.E.	HAZARD - N.E.	HAZARD - N.E.	HAZARD - N.E.
n-BUTYL ALCOHOL	50 ppm	N.E.	50 ppm	N.E.
XYLENE	100 ppm	150 ppm	100 ppm	N.E.
ISOPROPANOL ANHYDROUS	400 ppm	500 ppm	400 ppm	500 ppm
BUTYL CELLOSOLVE	N.E.	N.E.	N.E.	N.E.
ACETATE				
ETHYL BENZENE	100 ppm	125 ppm	100 ppm	125 ppm
ISOBUTYL ALCOHOL	50 ppm	N.E.	50 ppm	N.E.
ETHYL BENZENE	100 ppm	125 ppm	100 ppm	125 ppm

Notes

ALIPHATIC HYDROCARBON - NISOH recommends a limit of 350 mg/m3 - 8 hour TWA, 1800 mg/m3 as determined by a 15-minute sample.

ISOBUTYL ISOBUTYRATE - Eastman Kodak recommends an exposure limit of: 100 ppm 8 hour TWA.

2-BUTYOXYETHANOL CAS# 111-76-2 - This component has been shown to cause harm to the fetus in laboratory animals. It only caused harm at levels of overexposure that would also harm the pregnant animal. It has been shown to cause cancer in laboratory animals. The relevance to humans is unknown. It also has been shown to cause reversible kidney effects and reversible liver effects in laboratory animals. Congestion in the liver, kidneys, and lungs resulted from acute lethal exposure in animal studies.

NITROCELLULOSE - It is on the OSHA Process Safety Management (PSM) list.

BUTYL CELLOSOVE ACETATE - US. NIOSH: Pocket Guide to chemical Hazards Recommended exposure limit (REL): 5 ppm, 33 mg/m3. Eastman Chemical Company occupational exposure limit: TWA Skin Notation: 25 ppm.

ETHYL BENZENE CAS# 100-41-4 - IARC Group 2B possibly carcinogenic to humans.

ETHYL BENZENE CAS# 100-41-4 - IARC Group 2B possibly carcinogenic to humans.

Engineering Controls: Local ventilation of emission sources may be necessary to maintain ambient concentrations below permissible OSHA exposure limits. Remove all ignition sources (heat, sparks, flame, and hot surfaces).

Respiratory Protection: A respirator that is recommended or approved for use in an organic vapor environment (air purifying or fresh air supplied) is necessary. Observe OSHA regulations for respirator

use. Ventilation should be provided to keep exposure levels below the OSHA permissible limits. Skin Protection: Chemical-resistant gloves (cotton, neoprene, rubber, polyethylene) should be used to prevent skin contact.

Eye Protection: Wear safety eyewear (safety glasses, safety glasses with side-shields, chemical goggles, or face shields) to prevent eye contact.

Other protective equipment: Long sleeve and long leg clothing is recommended. Remove and wash contaminated clothing before reuse or discard.

Hygienic Practices: Wash hands before breaks, eating, smoking, and at the end of the workday.

Section 9 - Physical	and Chemical Properties			
Boiling Range (°F):	N.AV N.AV.	Vapor Density:	Heavier than air	
Odor:	Solvent odor	Odor Threshold:	N.AV.	
Appearance:	Amber liquid	Evaporation Rate:	0.48 x n-Butyl Acetate	
Solubility in H2O:	Insoluble			
Freeze Point:	N.AV.	Specific Gravity:	0.905	
Vapor Pressure:	N.AV.	PH:	N.AP.	
Physical State:	Liquid	Viscosity:	Thin liquid to heavy	
Coefficient of Water/O	il N.ĀV.	-	viscous material	
Distribution:				
(See section 16 for abbreviation legend)				

Section 10 - Stability and Reactivity

Conditions To Avoid: Avoid high temperatures, sparks, or open flames. Do not breathe vapors or spray mist.

Incompatibility: Incompatible with strong acids and oxidizing agents.

Hazardous Decomposition: Thermal decomposition can lead to the generation and release of gases and vapors including carbon monoxide, carbon dioxide, oxides of nitrogen, and hydrocarbons.

Hazardous Polymerization: Will not occur.

Stability: Stable under recommended storage conditions.

Section 11 - Toxicological Information		
Product LD50: N.E.	Product LC50: N.E.	
Section 12 - Ecological Information		
Ecological Information: No Information.		
Section 13 - Disposal Information		

Disposal Information: Dispose of waste in accordance with federal, state, and local environmental regulations. Empty containers will contain product residue and flammable vapors. Handle as hazardous material. Do not incinerate closed containers. Hazardous Waste Characteristics: Ignitability and Reactivity, EPA Hazardous Waste Number/Code: D001_E003_E005

Treaditivity: El 77 Hazardede Videte Hamberredde: Ede 1, 1 ede, 1 ede:			
Section 14 - Transportation Information			
DOT Proper Shipping Name:	Paint	Packing Group:	
DOT Technical Name:	N.AP.	Hazard Subclass:	N.AP.
DOT Hazard Class:	Flammable liquid 3	Resp. Guide Page:	N.AP.
DOT UN/NA Number:	UN-1263		
Section 15 - Regulatory Information			

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Component	CAS Number	Percent By Weight
2-BUTOXYETHANOL	111-76-2	8.99
n-BUTYL ALCOHOL	71-36-3	4.86
XYLENE	1330-20-7	4.04
ISOPROPANOL ANHYDROUS	67-63-0	3.52
BUTYL CELLOSOLVE ACETATE	112-07-2	3.05
ETHYL BENZENE	100-41-4	0.70

ETHYL BENZENE 100-41-4 0.10

Toxic Substances Control Act:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Component ALKYD RESIN CAS Number UNKNOWN

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Component
ALKYD RESIN

CAS Number
UNKNOWN

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause

 Component
 CAS Number

 ETHYL BENZENE
 100-41-4

 ETHYL BENZENE
 100-41-4

 BENZENE
 71-43-2

 ETHYLENE OXIDE
 75-21-8

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

 Component
 CAS Number

 BENZENE
 71-43-2

 ETHYLENE OXIDE
 75-21-8

International Regulations: As follows – DOMESTIC SUBSTANCE LIST (DSL):

Component **CAS Number** ALIPHATIC HYDROCARBON 8052-41-3 ISOBUTYL ISOBUTYRATE 97-85-8 64742-89-8 VM & PNAPHTHA METHYL n-AMYL KETONE 110-43-0 2-BUTOXYETHANOL 111-76-2 NITROCELLULOSE 9004-70-0 n-BUTYL ALCOHOL 71-36-3 1330-20-7 XYLENE ISOPROPANOL ANHYDROUS 67-63-0 BUTYL CELLOSOLVE ACETATE 112-07-2 ETHYL BENZENE 100-41-4 ISOBUTYL ALCOHOL 78-83-1 100-41-4 ETHYL BENZENE

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: B2, D1A, D2A, D2B, F

TRANSPORT OF DANGEROUS GOODS CLASS (TDG): 3, (4.1)

Section 16 - Other Information

HMIS Ratings:

Health: 3 Flammability: 3 Reactivity: 1 Personal Protection: I

VOLATILE ORGANIC COMPOUNDS, GR/LTR: 663 VOLATILE ORGANIC COMPOUNDS, LB/GAL: 5.54

VOLATILE ORGANIC COMPOUNDS MIXED, GR/LTR: <= N.AV. VOLATILE ORGANIC COMPOUNDS MIXED, LB/GAL: <= N.AV.

REASON FOR REVISION: New Computer System

REGULATORY CODE: 010 LAYOUT CODE: C2004RANGE

Legend: N.A.P. - Not Applicable, N.A.V. - Not Available, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.